

PATENT

Atty. Dkt. AMAT/5192.02/CPI/COPPER/PJS

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In re Application of:
Ling Chen, et al.

Serial No.: 10/032.284

Confirmation No.: 4034

Filed: December 21, 2001

For: Gas Delivery Apparatus
and Method For Atomic
Layer Deposition

www.pearsoned.com

Group Art Unit: 1734

Examiner:

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TC 1700

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37 CFR 1.8

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Date

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Signature

Dear Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Supplemental Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

Applicants certify that all references submitted with this disclosure were first cited in a communication from a foreign patent office dated May 8, 2003, which communication is enclosed, not more than three months prior to the filing of this Supplemental Information Disclosure Statement.

If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/AMAT/5192.02/BTP.

Respectfully submitted,



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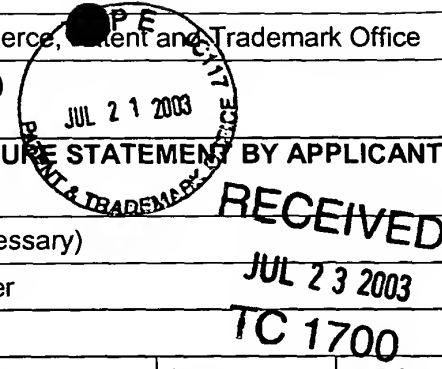
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U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)					Patent No. AMAT/5192/02/CPI/ COPPER/PJS		Serial No. 10/032,284	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)					Applicant Chen, et al.		Confirmation No. 4034	
Examiner					Filing Date December 21, 2001		Group 1734	
U.S. Patent Documents <div style="text-align: center;">  </div>								
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate	
	A1	6,271,148 B1	08-07-2001	Kao, et al.	438	727	10-13-1999	
	A2	6,270,572 B1	08-07-2001	Kim, et al.	117	93	08-09-1999	
	A3	5,951,771	09-14-1999	Raney, et al.	118	723	09-30-1996	
	A4	5,221,449	06-22-1993	Colgan, et al.	204	192.15	07-09-1992	
	A5	5,000,113	03-19-1991	Wang, et al.	118	723	12-19-1986	
	A6	2002/0127336 A1		Chen, et al.	427	250	01-16-2002	
	A7							
	A8							
	A9							
	A10							
Foreign Patent Documents								
*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
	B1	EP 1 077 484 A2	02-21-2001	EP	H01L	21/768	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
	B2	WO 01/29891 A1	04-26-2001	WIPO	H01L	21/768	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
	B3						YES <input type="checkbox"/>	NO <input type="checkbox"/>
	B4						YES <input type="checkbox"/>	NO <input type="checkbox"/>
	B5						YES <input type="checkbox"/>	NO <input type="checkbox"/>
OTHER ART								
*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.						
	C1	International Search Report from the European Patent Office for International Application No. PCT/US 02/34553, dated May 8, 2003.						
	C2	International Search Report from the European Patent Office for International Application No. PCT/US 02/34277, dated May 9, 2003.						
	C3							
Examiner					Date Considered			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.								